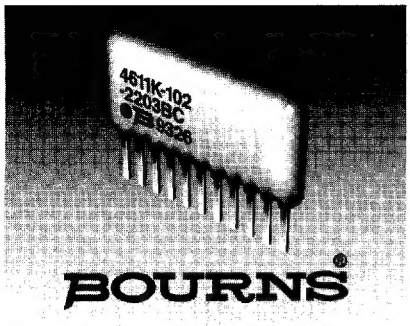


THIN FILM RESISTOR NETWORK CONFORMAL SIP/LOW, MEDIUM AND HIGH PROFILE, 4 THROUGH 16 PIN

- Low profile provides compatibility with DIPs
- Also available in medium profile (4600S) and high profile (4600K)
- Laser marking on contrasting background

Model 4600T, S, K Series

BOURNS® Resistor Networks

FOR SCHEMATICS, SEE FOLLOWING PAGE.

Electrical Characteristics

Resistance Range
- Bussed ..... 49.9 to 100K ohms
- Isolated ..... 20 to 200K ohms
- Series ..... 20 to 100K ohms

Resistance Tolerance ..... ±0.1%, ±0.5%, ±1%

Temperature Coefficient ..... ±100ppm/°C, ±50ppm/°C, ±25ppm/°C

Temperature Range ..... -55°C to +125°C

TCR Tracking ..... Consult Factory

Environmental Characteristics

TESTS PER MIL-R-83401 .... ΔR MAX.

Thermal Shock and Power Conditioning	0.1%
Low Temperature Operation	0.25%
Short Time Overload	0.1%
Terminal Strength	0.25%
Resistance to Soldering Heat	0.1%
Moisture Resistance	0.1%
Mechanical Shock	0.25%
Vibration	0.25%
Life	0.5%
High Temperature Exposure	0.2%
Low Temperature Storage	0.1%

Insulation Resistance ..... 10,000 megohms minimum

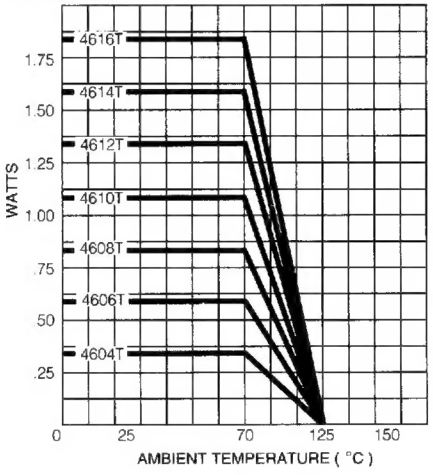
Physical Characteristics

Body Material Flammability ..... Conforms to UL94V-0

Lead Frame Material: Copper (OLIN 194) 60/40 solder dip

Body Material: ... Epoxy resin/anhydride disphenol A

PACKAGE POWER TEMPERATURE DERATING CURVE (Low Profile, 4600T)

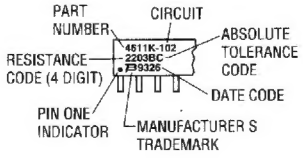


Package Power Ratings at 70°C

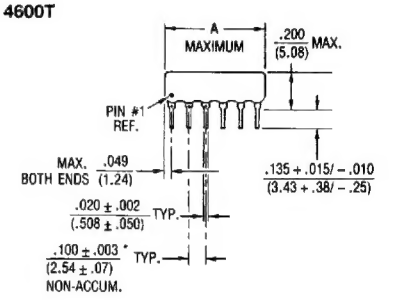
	T	S	K
4604	0.50	0.60	0.8 watts
4605	0.63	0.75	1.0 watts
4606	0.75	0.90	1.2 watts
4607	0.88	1.05	1.4 watts
4608	1.00	1.20	1.6 watts
4609	1.13	1.35	1.8 watts
4610	1.25	1.50	2.0 watts
4611	1.38	1.65	2.2 watts
4612	1.50	1.80	2.4 watts
4613	1.63	1.95	2.6 watts
4614	1.75	2.10	2.8 watts
4615	2.18		3.0 watts
4616	2.26		3.2 watts

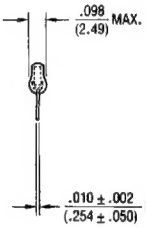
TYPICAL PART MARKING

Represents total content. Layout may vary.



4600T





Pin Count	A Maximum Inches (mm)
4	.398 (10.11)
5	.498 (12.65)
6	.598 (15.19)
7	.698 (17.73)
8	.798 (20.27)
9	.898 (22.81)
10	.998 (25.35)
11	1.098 (27.89)
12	1.198 (30.43)
13	1.298 (32.97)
14	1.398 (35.51)

Maximum package length is equal to .100" (2.54mm) times the number of pins, less .002" (.005mm).

Governing dimensions are in inches. Dimensions in parentheses are metric (mm) and are approximate.

*Terminal centerline to centerline measurements made at point of emergence of the lead from the body.

HOW TO ORDER

46 11 T - 101 - 2222 F A

Model (46 = Conformal SIP)

Number of Pins

Physical Config.
- •T = Low Profile Thin Film
- •S = Medium Profile Thin Film
- •K = High Profile Thin Film

Electrical Configuration
- •101 = Bussed
- •102 = Isolated
- •106 = Series

Resistance Code
- •First 3 digits are significant
- •Fourth digit represents the number of zeros to follow.

Absolute Tolerance Code
- •B = ±0.1%
- •D = ±0.5%
- •F = ±1%

Temperature Coefficient Code
- •A = ±100ppm/°C
- •B = ±50ppm/°C
- •C = ±25ppm/°C

Consult factory for other available options.

- Substrate of 99.5% pure alumina ceramic
- Custom circuits available per factory

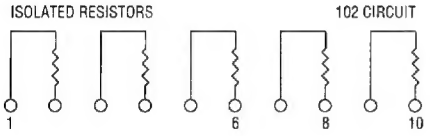
Model 4600T, S, K Series

BI® Resistor Networks

FOR PRODUCT SPECIFICATIONS, SEE PRIOR PAGE.

ISOLATED RESISTORS (102 CIRCUIT)

Available in 4, 6, 8, 10, 12, 14, 16 Pin



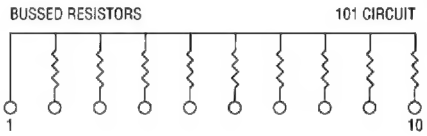
These models incorporate 2 to 8 isolated thin-film resistors of equal value, each connected between a separate pin.

Power Rating per Resistor
T .....0.18 watt
S .....0.20 watt
K .....0.25 watt

Resistance Range...20 to 200K ohms

BUSSED RESISTORS (101 CIRCUIT)

Available in 4 through 16 Pin



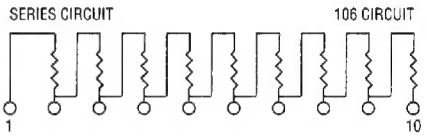
These models incorporate 3 to 15 thin-film resistors of equal value, each connected by a common pin.

Power Rating per Resistor
T .....0.10 watt
S .....0.12 watt
K .....0.15 watt

Resistance Range...49.9 to 100K ohms

SERIES CIRCUIT (106 CIRCUIT)

Available in 4 through 16 Pin



These models incorporate 3 to 15 thin-film resistors of equal value, each connected in series.

Power Rating per Resistor
T .....0.10 watt
S .....0.12 watt
K .....0.15 watt

Resistance Range...20 to 100K ohms